32. A metallic body which has been compressed and consolidated from an initial powder metal form to a highly densified form, the body consisting of at least two metals, the proportions of which vary along a body dimension, one of said metals being tantalum.

33. The body of claim 32 wherein the body consists of at least four metals.

The body of claim 33 wherein said metals are selected from the group that includes tungsten, rhenium, uranium, tantalum, platinum, copper, gold, hafnium, molybdenum, titanium, zirconium and aluminum.

35. The body of claim 32 wherein the body is elongated and has a tapered nose portion, there being a second body portion along said dimension, the body consisting of at least two metals,  $M_1$  and  $M_2$ , the proportions of  $M_1$  and  $M_2$  in said body nose portion and second body portion being different.

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36. The body of claim 35 wherein the metal  $M_1$  is tantalum, the proportion of tantalum in said nose portion being greater than the proportion of tantalum in said second body portion.

31. The body of claim 36 wherein the body has third and fourth body portions along said dimension, the proportion of tantalum in said second body portion exceeding the proportion of tantalum in said third body portion, and the proportion of tantalum in said third body portion exceeding the proportion of tantalum in said third body portion exceeding the proportion of tantalum in said fourth body portion.

38. The body of claim 32 wherein the body has first and second ends, the consolidated metal at the first end having higher density than the metal at the second end.

The body of claim 38 wherein the metal at the first end consists primarily of tantalum, and the metal at the second end consists primarily of  $M_1$ ,  $M_2$ , or  $M_x$ .

The body of claim 32 which has decreasing strength or ductility in each of two body dimensions.

The body of claim 41 wherein said two dimensions are length and thickness.

43. The body of claim A1 wherein said two dimensions are longitudinal and lateral.

44. The body of claim 41 wherein said body tapers toward a top zone, the body ductility and/or strength being greatest at said top zone.

45. The body of claim 41 wherein said body comprises a conical shell.

46. The body of claim 41 which has a cylindrical section and a tapered section at one end of the cylindrical section.

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47. The method of claim 32 wherein the consolidated tantalum has <111> texture of less than about 2.8X random.

Allowance is urged.

Respectfully submitted,

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